Raúl Rodríguez

Fullstack Web Dev and DevOps Engineer

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EDUCATION

Computer Science Bachelor, *ITAM* ⊠
joint bachelor with Applied Mathematics. 50% schoolarship

PROFESSIONAL EXPERIENCE

Senior Software Developer, *Yardzen* ⊠
01/2024 – 02/2025 | Remote, US
I was hired to help with the **migration of legacy apps** (Express REST API, React) to the new current stack (**Docker, NestJS, NextJS**) while maintaining, adding, and improving the features of the applications. I was able to improve the development flow by optimizing the docker deployment cycle and speeding up the frontend development by introducing **StorybookJS** as the base of our **Design System**. This way improving, testing and developing **new frontend features was done 3 times faster.**

TECH LEAD, *Rarus Health* ⊠
01/2023 – 11/2024 | Remote, Chile
I join the team as **Tech Lead and Solo Developer**. The project had won a hackathon on health issues and I helped **round up the idea, picking a stack,** develop a **POC** and deploying a **Beta version**. It is a **Vue** Web Platform, with a **NodeJS** backend, an **email server**, and **WordPress** Landing Site. The app has well-defined **role-based access, authentication,** and it is monitored using **Google Analytics and Grafan**a.

SRE & NODEJS BACKEND ENGINEER,
Centro Cultura Digital Mexico ⊠
2018 – 12/2023 | MX
I was hired to lead a new web development team. I architected a new system stack (**K8s + Linux + Docker, NodeJS, Svelte + React, GraphQL, MongoDB, Storybook, Gitlab CI/CD**). Also, I updated and keep maintaining over 20 legacy websites. Now, I'm in charge of creating CMS, API, and DB for new projects, next to monitoring and debugging problems for ongoing projects. We speed up launching 8 new Apps by reusing the structure for the CMS/API and developing the frontend using a Design System aproach

DEV SKILLS

Programing ● ● ● ● ○
Patterns ▪ Algorithms ▪ Data Structures ▪ Testing ▪ Component Driven Development

Modern Web Development ● ● ● ● ○
React / NextJS ▪ Vue / NuxtJS ▪ Svelte ▪ Angular ▪ Storybook ▪ TailwindCSS ▪ SEO ▪ Analytics

Backend ● ● ● ● ●
NodeJS ▪ Express ▪ Custom CMS ▪ GraphQL / REST API ▪ Socket IO ▪ File Storage

Database Admin ● ● ● ● ○
SQL ▪ MongoDB ▪ Redis

Deployment ● ● ● ● ○
Docker ▪ Nginx ▪ Apache ▪ Traefik ▪ Kubernetes

Linux Admin ● ● ● ○ ○
Application deployment ▪ Bash scripting ▪ Automatization ▪ Networking ▪ Monitoring

System & Cloud Arquitect ● ● ● ○ ○
Microservices ▪ AWS ▪ Google Cloud ▪ Azure ▪ DigitalOcean

DevOps ● ● ● ○ ○
CI/CD ▪ Monitoring ▪ Error tracking ▪ Testing ▪ Observability

UX ● ● ● ○ ○
User-centered design ▪ Usability ▪ Accessibility ▪ Prototyping

Web Developer (Freelance), *PowerSwitchAction* ⤢
01/2025 – 03/2025 | US
I was hired as a contractor to spark up their yearly report ⤢ with a short timeline by improving and introducing **React** Components on their **Gatsby** Website linked to a **DatoCMS GraphQL API** . These components were developed to enhance the **UX** by including animation, parallax and sticky effects, interactive maps, and pop-up modals.

FULLSTACK WEB FRELANCE, *Logly (Freelance)* ⤢
12/2022 – 01/2023 | Remote, US
Develop, debug and UX design **complex functionalities** for their ongoing project (**NodeJS + React + PostgreSQL**). *(by ticket)*

DOCKER & KUBERNETES TRAINING, *SPS Consulting Group*
01/2022 – 08/2022 | Mexico
To improve their DevOps workflow. I prepared an **intensive** 40 hrs **introduction curse** to understand the benefits and test the main functionalities of **Docker and Kubernetes**.

DEVOPS CONSULTANT, *NxtIoT - NxtAgro (Sporadic Consultancy)* ⤢
MX
I was hired to migrate their project to a containerized and high-demand infrastructure. I created a **CI workflow** using **Gitlab and Docker**, **optimized** their heaviest **SQL queries**, and **debug** some code on their **Vue app**. I get a call when something needs debugging. I led the transition to a Kubernetes environment on Google Cloud GK, to tackle the traffic scaling with a flexible strategy that scales up or down when required *(by the hour)*

MICROSERVICE DEVELOPMENT AND MONITORING,
SPS Consulting Group (Freelance)
08/2022 – present | Mexico
To **extend the functionality of the Litmos Educational App**, I designed a **microservice system** where we could fetch data from Oracle Cloud buckets and consume Litmos API, work and store the **data**, show the data with better **visualization tools** on a **React** App, and trigger changes to the API when needed. All this, working on a single VM with **Docker containers, cron jobs, MySQL, and MongoDB**. *(by project)*

FULLSTACK WEB DEV, *Ozmo* ⤢
2018 | Mexico
MongoDB queries optimization by data normalization and graphics visualization on a **React** App.

LANGUAGES

Spanish — Native • **English** — Professional

OWN PROJECTS

Co-founder & CTO - Vientos.coop,
PWA to enhence collaboration
2015 – 2019
Co-founder of a **Platform Coop** launched as a Progressive Web App (**PWA**) to connect activism projects with locals by mapping their needs and offerings to enhance collaboration on social topics. My thesis project turned into a social startup when meeting the right people. We designed the app using **agile and SCRUM** methodologies, **UX** research and tests, Pair Programming, and Sociocracy Circles. The **PWA** was coded using **NodeJS, PolymerJS, LXC, and MongoDB.**

PROFESSOR

Mobile, Web Apps, UX, *Centro ADM* ⤢
2018 – 2020

Algorithms and Web Development,
Telmex Hub ⤢
01/2019 – 08/2019
Together with a colleague, we designed and imparted an intensive web development course to 50 students. It was 6 hours a day, all the way from algorithms and data structures, to git, HTML, CSS, and JS frameworks.

Bootcamp Expert, *Bedu* ⤢
2017 – 2020
I designed and imparted the Backend with NodeJS, Introduction to Databases, and UX design. Every student would have to create a full-stack project in 6 months. I got the YODA badge for helping other experts on their courses

MEAN Stack & MySQL intro,
MacTrainee ⤢
2018 – 2021

FULLSTACK WEB DEVELOPER, *Sertech* ⧉

2017 – 2019 | Mexico

Using data mining and visualization to market intel, social network analysis, and political census. D3js, Mapbox, ElasticSearch, data crawling from social networks and newspapers (*20 hrs/week*)

WEBSITE DEVELOPMENT, *UN Women (Freelance)* ⧉

2018 | Remote, Costa Rica

I developed a data vizualization interactive app showing women participation statistics in Latinamerica. SVG, CSS, JS.

FULLSTACK WEB DEVELOPER, *Borde Politico (FREELANCE)*

2017

Development of a PWA to visualize open goberment data, co-creation of legislation, and participatory democracy

SOFTWARE ENGINEER, *Mextra* ⧉

08/2014 – 05/2016 | Nijmegen, NL

Development of a .NET web app and SQL query design and optimization. Statistics and doctor-patient management for hospitals based in the Netherlands

DEV INTERN, *Hewlett Packard*

2013 | Mexico

I focus on speeding the process of creating client proposals using Excell Macros and a .NET web App. I created a website to review and auto-create PDF pre-approved proposals based on previously accepted proposals.

INTERESTS

Cycling mobility, Garndening, Cooperatives, Veganism, Open knowledge, Solidarity Economies

SOFT SKILLS

- Group Management
- DIY / Self learner
- Desition Workflow
- Non-violent Communication
- Collaborative work
- Conflict Resolution